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ABSTRACT

This module on the purpose and use of the serger machine, one in a series on clothing construction for industrial sewing machine operators designed for student self-study, contains nine sections. Each section includes the following parts: an introduction, directions, an objective, learning activities, student information, student self-check, check-out activities, and an instructor's final checklist. The sections cover the following topics: purpose of the machine and serging edge of cloth, serging a seam, setting blouse/shirt cuffs, setting a tailored cuff, setting a sleeve, making a tie belt, setting elastic, hemming sleeves, and setting ruffles. The material is illustrated with line drawings. (KC)

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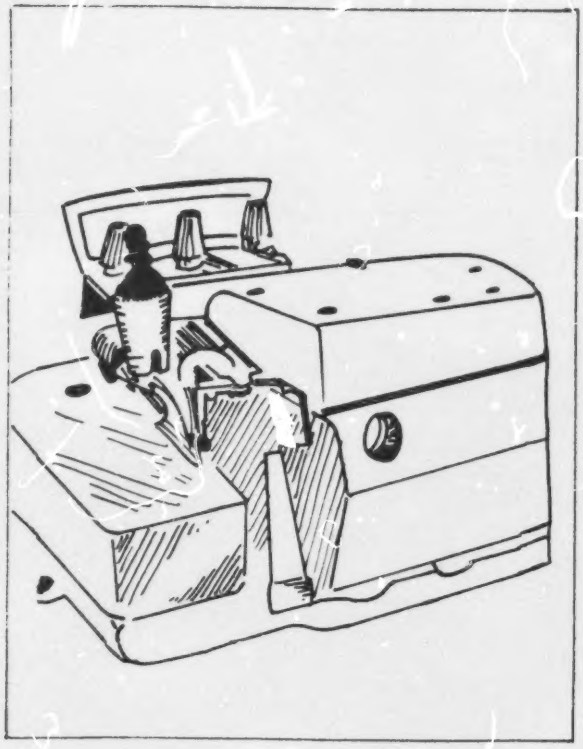
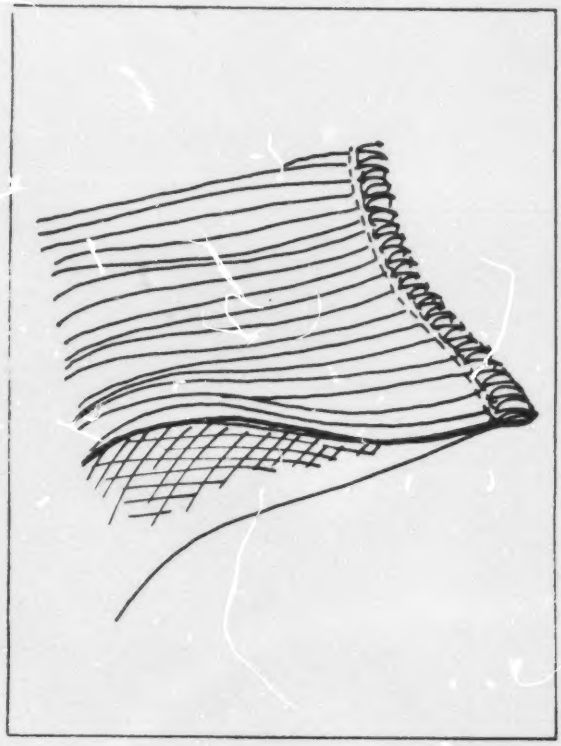
purpose and
serging edge of cloth





PERFORMING SPECIAL OPERATIONS ON THE SERGER MACHINE
(Purpose and Serging Edge of Cloth)

INTRODUCTION

There are several brands of serger machines on the market. Some machines carry three threads while others carry five or six threads. Some models have twin feeders while others are single feeder machines. There are also models which have a safety stitch. The serger machine provides a finished edge with the stitch wrapped around the edge of the cloth. In this module you will learn the purpose of this serger machine and the method used in serging the edge of a piece of cloth.

DIRECTIONS

Read the Objective. If you think you can accomplish this Objective now, turn to the Check-Out Activity and follow the instructions.

If you feel you are not able to accomplish this Objective now, look at the Learning Activities. Begin the Learning Activities and as soon as you feel you are ready, turn to the Check-Out Activity and follow the instructions.

OBJECTIVE

Given a serger machine, simulated garment facing, and thread, describe the purpose of the machine with 100 per cent accuracy and finish the edge of a piece of cloth. Stitches must be uniform and edges free from ravels.

LEARNING ACTIVITIES

1. READ Student Information, THE SERGER MACHINE.

2. COMPLETE Student Self-Check, THE SERGER MACHINE.

3. READ Student Information, SERGING EDGE OF CLOTH. Follow directions presented in each step. If you should have a problem, ask your instructor for assistance. Practice serging the edges of pieces of cloth until stiches are uniform and edges are free from ravels.

4. COMPLETE Student Self-Check, SERGING EDGE OF CLOTH.

5. VIEW a demonstration on the operation of the serger machine.

6. TURN to the Check-Out Activity and follow the instructions.

STUDENT INFORMATION

The Serger Machine

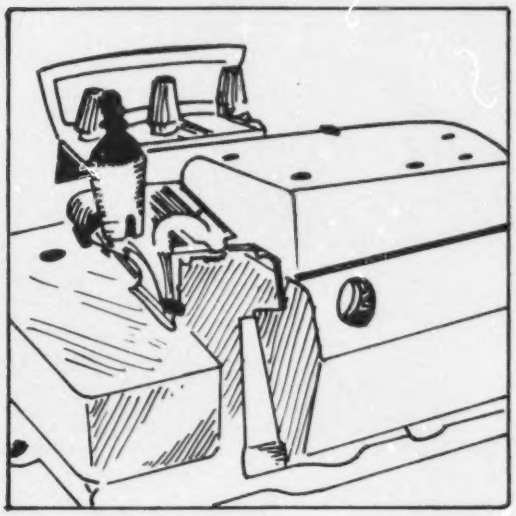


Figure 1

The serger machine is a small but extremely fast and efficient sewing machine (Figure 1). This machine makes a stitch which wraps the thread around the edge of the cloth so that the edges will not ravel. This stitch results in a seam which will give but not crack or cause puckers if the tension is properly adjusted.

The serger machine is equipped with a curved needle for sewing on light-weight material. A straight needle is used for heavier-weight material.

The serged seam is sometimes referred to as a finished seam, since serger machines are equipped with a knife to cut away excess fabric as the seam is stitched (Figure 2).

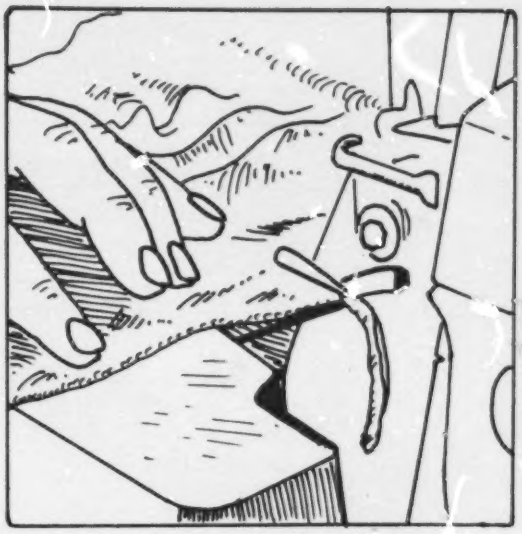


Figure 2

Some machines sew a separate row of stitching along the serged seam. These machines are known as safety stitch machines since they provide the extra row of stitching to reinforce the seam.

STUDENT SELF-CHECK

The Serger Machine

Write the answers to the following statements on a separate sheet of paper.

1. The _____ machine is a small but extremely fast and efficient sewing machine.

2. The serged seam has some give, but will not _____.

3. The serged seam is called a _____ seam since a knife cuts away excess fabric.

4. Machines which sew a separate row of stitching along the serged seam are known as _____ _____ machines.

5. The extra row of stitching made by some machines _____ the seam.

STUDENT INFORMATION

Serging Edge of Cloth

1. Remove cloth to be serged from stack.

2. Place edge to be serged under presser foot.

3. Activate treadle and sew for the required finished edge. Some machines carry a knife and will cut the thread automatically. For machines which do not do this, bring the thread to the front knife for cutting. Figure 3 is an example of a serged seam.

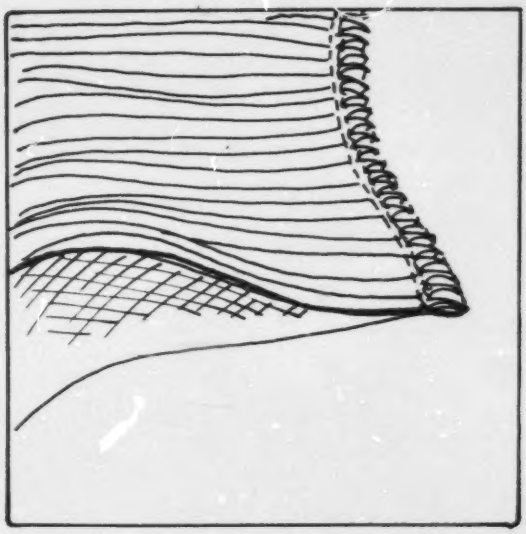


Figure 3

4. Dispose of cloth with one hand and at the same time remove another piece of cloth to be serged from the stack with the other hand.

5. Practice serging until stitching is uniform and edges are free from ravels.

STUDENT SELF-CHECK

Serging Edge Of Cloth

Write the answers to the following statements on a separate sheet of paper.

1. Serger machines have a knife attachment which cuts the fabric as the machine sews. (True or false)

2. A serged seam finishes the edges so that they do not ravel. (True or false)

CHECK-OUT ACTIVITY

The statement below explains the activity you must complete in order to finish this module. After you go through the activity, your instructor will rate your performance using the Instructor's Final Checklist, PERFORMING SPECIAL OPERATIONS ON THE SERGER MACHINE (Purpose and Serging Edge of Cloth).

Your instructor will provide you with a serger machine, simulated garment facing, and thread. Describe the purpose of the machine with 100 per cent accuracy and finish the edge of a piece of cloth. Stitches must be uniform and edges free from ravels.

Student _____

Date _____

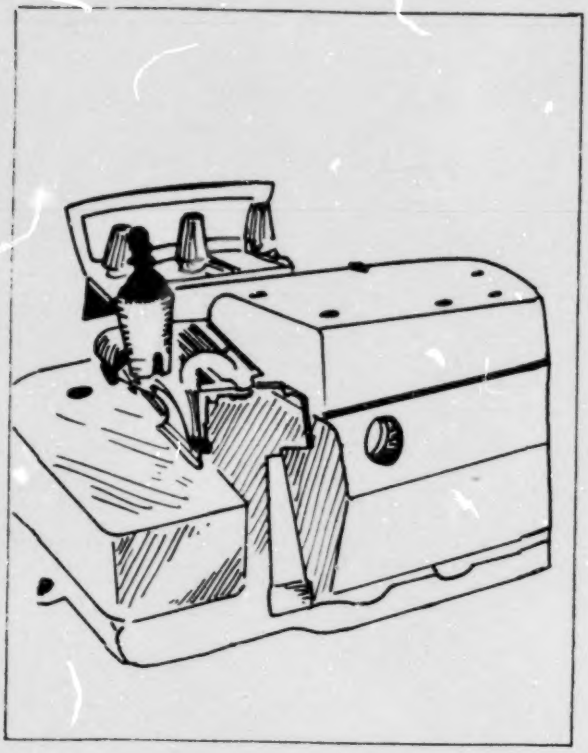
Instructor's Final Checklist

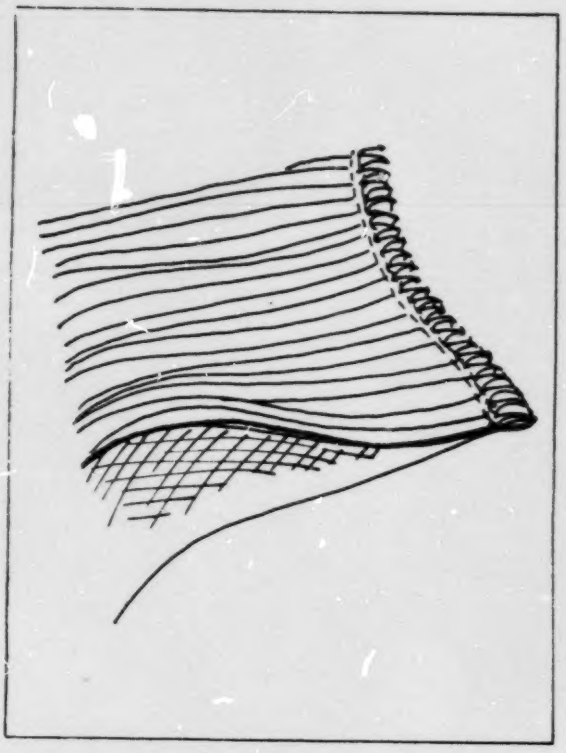
Check the student's performance in the following elements of performing special operations on the serger machine (serging edge of cloth).
Place an X in the appropriate box indicating not accomplished, partially accomplished, or fully accomplished. If, because of special circumstances, the item was impossible to complete, place an X in the "Not Applicable" box.

Performance Level: All items must receive a rating of FULLY ACCOMPLISHED (or Not Applicable). If any items are rated Not Accomplished or Partially Accomplished, the student and instructor will discuss this and decide which learning activities must be repeated.

	Student Performance			
	Not Applicable	Not Accomplished	Partially Accomplished	Fully Accomplished
The student:				
a. Serged cloth edge so that stitches were uniform.	( )	( )	( )	( )
b. Serged cloth edge so that edge was free from ravels.	( )	( )	( )	( )
c. Described the purpose of the serger machine with 100 per cent accuracy.	( )	( )	( )	( )

serging a seam





PERFORMING SPECIAL OPERATIONS ON THE SERGER MACHINE
(Serging A Seam)

INTRODUCTION

There are several brands of serger machines on the market. Some machines carry three threads while others carry five or six threads. Some models have twin feeders while others are single feeder machines. There are also models which have a safety stitch. The serger machine provides a finished edge with the stitch wrapped around the edge of the cloth. In this module you will learn to perform special operations on the serger machine.

DIRECTIONS

Read the Objective. If you think you can accomplish this Objective now, turn to the Check-Out Activity and follow the instructions.

If you feel you are not able to accomplish this Objective now, look at the Learning Activities. Begin the Learning Activities and as soon as you feel you are ready, turn to the Check-Out Activity and follow the instructions.

OBJECTIVE

Given related garment sections to be sewn, a serger machine and thread, match pieces of garment and sergestitch seam. Garment sections must match exactly, the seam must lie smoothly, and the stitching should be uniform.

LEARNING ACTIVITIES

1. READ Student Information, MATCHING GARMENT SECTIONS WITH SERGED SEAMS AND SERGESTITCHING SECTIONS TOGETHER. Follow the directions presented in each step. If you should have a problem, ask your instructor for assistance. Practice matching and sergestitching parts of a garment and make at least three seams.

2. COMPLETE Student Self-Check, SERGING A SEAM.

3. VIEW a demonstration on the operation of the serger machine.

4. TURN to the Check-Out Activity and follow the instructions.

STUDENT INFORMATION

Matching Garment Sections With Serged Seams and Sergestitching Sections Together

The following steps in serging seams and sergestitching sections are very similar to straight stitching. The difference is that the seam is finished off so that the cloth will not ravel. The steps are the same, only the finished seam is different.

1. Remove garment parts simultaneously from each stack.

2. In one motion, place garment parts to be sewn near the needle.

3. Align the parts of the cloth to fit markings.

4. Stitch a seam width of 1/8 inch (.32 cm) in depth. (This may vary with specifications.) To match seams which cross other seamed areas, turn the 1/8 inch (.32 cm) seam depth on the top toward presser foot. Turn the seam on the bottom toward the operator. The presser foot will match this seam if the pressure is adjusted correctly.

5. Place pieces of cloth into feed area. Lift presser foot and place cloth under presser foot to keep alignment even at the beginning. Keep in mind that slightly more hand tension is needed on the bottom piece of garment.

6. Start treadle and sergestitch seam. Continue to press treadle after cloth is out of feed area (Figure 4).

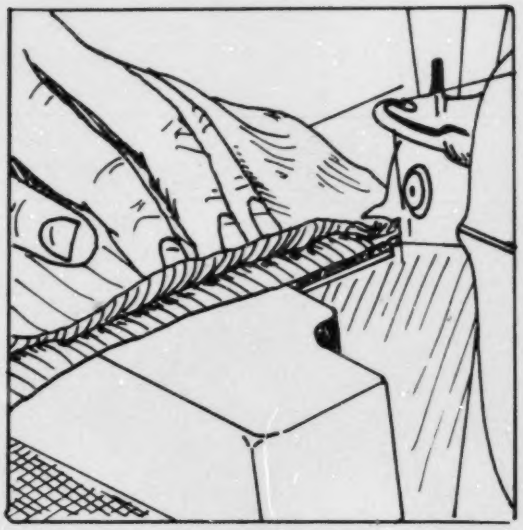


Figure 4

Some machines carry a knife and will cut the thread automatically. For machines which do not do this, it will be necessary to bring the thread to the front knife for cutting.

STUDENT SELF-CHECK

Serging A Seam

Write the answers to the following statements on a separate sheet of paper.

1. The stitch of a serged seam is_____inch (___cm) in depth.

2. When stitching the seam, place pieces of cloth into feed area without lifting the_____ _____.

3. Continue to press treadle after cloth is out of _____ _____.

CHECK-OUT ACTIVITY

The statement below explains the activity you must complete in order to finish this module. After you go through the activity, your instructor will rate your performance using the Instructor's Final Checklist, PERFORMING SPECIAL OPERATIONS ON THE SERGER MACHINE (Serging a Seam).

Your instructor will provide you with a serger machine, thread, and cloth. Match garment sections and serge a seam.

Student _____

Date _____

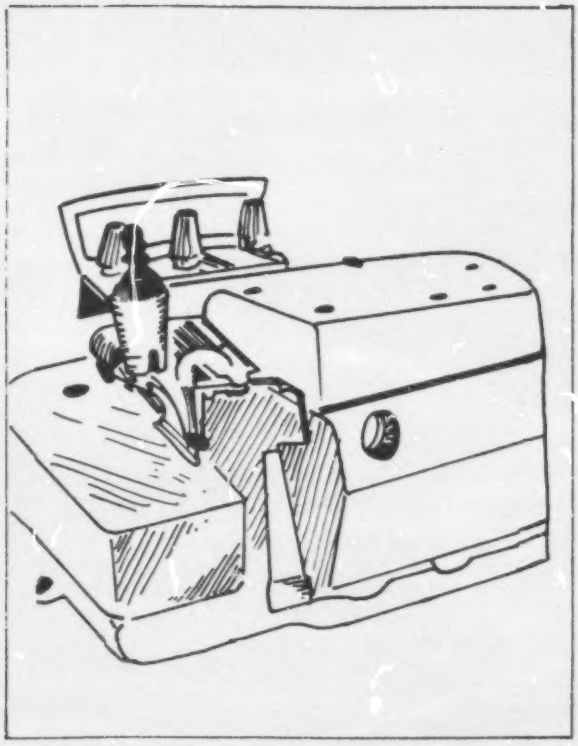
Instructor's Final Checklist

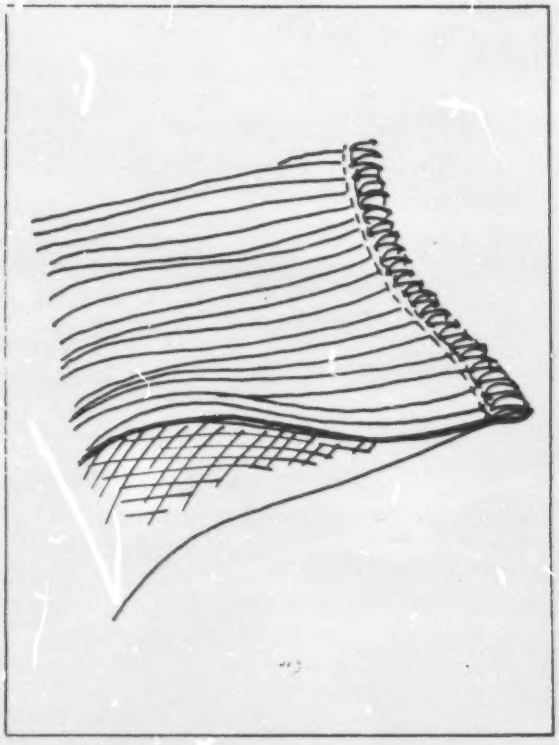
Check the student's performance in the following elements of performing special operations on the serger machine (serging a seam).
Place an X in the appropriate box indicating not accomplished, partially accomplished, or fully accomplished. If, because of special circumstances, the item was impossible to complete, place an X in the "Not Applicable" box.

Performance Level: All items must receive a rating of FULLY ACCOMPLISHED (or Not Applicable). If any items are rated Not Accomplished or Partially Accomplished, the student and instructor will discuss this and decide which learning activities must be repeated.

	Student Performance			
	Not Applicable	Not Accomplished	Partially Accomplished	Fully Accomplished
The student:				
a. Matched pieces of garment exactly.	( )	( )	( )	( )
b. Stitched seam uniformly.	( )	( )	( )	( )

setting blouse/shirt cuffs





PERFORMING SPECIAL OPERATIONS ON THE SERGER MACHINE
(Setting Blouse/Shirt Cuffs)

INTRODUCTION

There are several brands of serger machines on the market. Some machines carry three threads while others carry five or six threads. Some models have twin feeders while others are single feeder machines. There are also models which have a safety stitch. The serger machine provides a finished edge with the stitch wrapped around the edge of the cloth. In this module you will learn to set blouse/shirt cuffs.

DIRECTIONS

Read the Objective. If you think you can accomplish this Objective now, turn to the Check-Out Activity and follow the instructions.

If you feel you are not able to accomplish this Objective now, look at the Learning Activities. Begin the Learning Activities and as soon as you feel you are ready, turn to the Check-Out Activity and follow the instructions.

OBJECTIVE

Given a simulated sleeve, cuff, serger machine, and thread, set a tailored cuff with and without fullness in the sleeve and the rib cuff. The tailored cuff without fullness must be free of gathers with the pleat turned toward cuff opening. On the tailored cuff with fullness, the fullness must have evenly distributed gathers. All the cuffs should lie smoothly and the stitching should be uniform.

LEARNING ACTIVITIES

1. READ Student Information, SETTING A TAILORED CUFF. Follow directions presented in each step. If you should have a problem, ask your instructor for assistance.

2. VIEW a teacher demonstration on setting a tailored cuff using the serger machine.

3. PRACTICE setting tailored cuffs.

4. READ Student Information, SETTING CUFFS WITH FULLNESS. Follow directions presented in each step. If you should have a problem, ask your instructor for assistance.

5. VIEW a teacher demonstration on setting cuffs with fullness using the serger machine.

6. PRACTICE setting cuffs with fullness.

7. READ Student Information, SETTING A RIB CUFF. Follow directions presented in each step. If you should have a problem, ask your instructor for assistance.

8. VIEW a teacher demonstration on setting a rib cuff using the serger machine.

9. PRACTICE setting rib cuffs.

10. COMPLETE Student Self-Check, SETTING A TAILORED CUFF, SETTING CUFFS WITH FULLNESS AND SETTING A RIB CUFF.

11. TURN to the Check-Out Activity and follow the instructions.

STUDENT INFORMATION

Setting A Tailored Cuff

This type of cuff can be constructed using a single needle lockstitch machine. The steps are the same, only the finished seam is different.

1. Remove sleeve and cuff from stack, one in each hand.

2. Place sleeve on bottom with cuff on top. (Figure 5).

Figure 5

3. Align cuff with sleeve bottom. Pleat to notches on buttonhole side. Be sure pleat is turned toward buttonhole (Figure 6).

Figure 6

4. Serge seam.

5. If machine does not cut threads automatically, bring threads to front knife and cut. Practice setting tailored cuffs until sleeve is free of puckers or gathers. Be sure pleat is turned toward buttonhole side of cuff and cuff lies smoothly.

Figure 7 illustrates the finished tailored cuff.

Figure 7

STUDENT INFORMATION

Setting Cuffs with Fullness

This type of cuff can be constructed on a single needle lockstitch machine. The steps are the same, only the finished seam is different.

1. Remove sleeve and cuff from stack.

2. Place sleeve on the machine with right side of fabric up. Place cuff right side down on sleeve aligning both pieces to be sewn (Figure 8).

Figure 8

3. Start machine. Twin feeders should work in fullness so that it will be evenly distributed. Slightly more tension on the cuff may be required in this operation.

4. If the machine does not cut the threads automatically, bring the threads to the front knife and cut. Figure 8 shows a sleeve with fullness.

5. Practice setting cuffs with fullness until gathers in the sleeve are evenly distributed. The cuff should lie smoothly and have uniform stitching.

STUDENT INFORMATION

Setting A Rib Cuff

A rib cuff is serged on in a tubular motion.

1. Lay the garment on machine face side up.
2. Place the cuff on the top side of sleeve.
3. Serge cuff to the closed sleeve. Stretch the cuff to fit sleeve. The finished cuff should resemble that shown in Figure 9.

Figure 9

STUDENT SELF-CHECK

Write the answers to the following statements on a separate sheet of paper.

Setting A Tailored Cuff

1. Pleat the sleeve to the notches on the buttonhole side of the cuff. (True or false)
2. Pleat should be turned away from buttonhole. (True or false)
3. A tailored sleeve always has a pleat. (True or false)

Setting Cuffs With Fullness

4. The sleeve edge should be aligned with the edge of the cuff. (True or false)
5. The fullness in the sleeve will be evenly distributed along the cuff. (True or false)
6. More tension is required on the cuff. (True or false)

Setting A Rib Cuff

7. A rib cuff is serged on in a tubular motion. (True or false)
8. The cuff should not be stretched. (True or false)
9. Buttonholes are placed on the top side of the rib cuff. (True or false)

CHECK-OUT ACTIVITY

The statement below explains the activity you must complete in order to finish this module. After you go through the activity, your instructor will rate your performance using the Instructor's Final Checklist, PERFORMING SPECIAL OPERATIONS ON THE SERGER MACHINE (Setting Blouse/Shirt Cuffs).

Your instructor will provide you with a serger machine, thread, cloth, and simulated garment sections. Set a cuff on a tailored sleeve with and without fullness and a rib cuff.

Student _____

Date _____

Instructor's Final Checklist

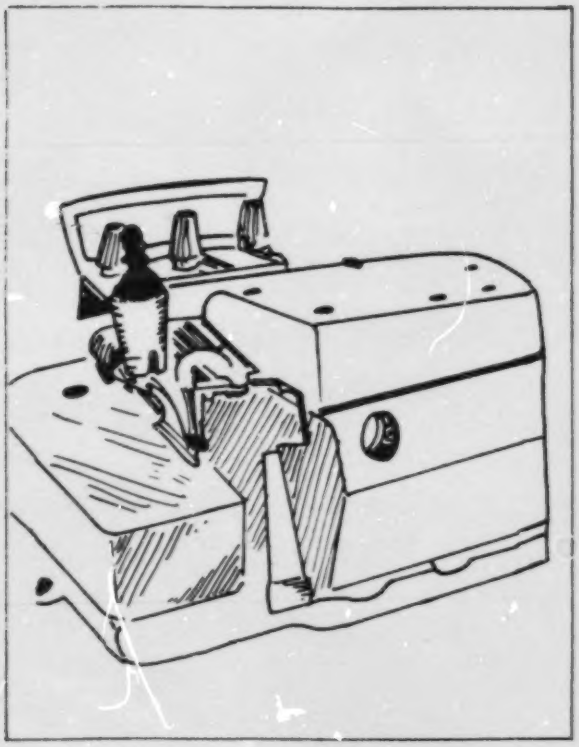
Check the student's performance in the following elements of performing special operations on the serger machine (setting blouse/shirt cuffs).

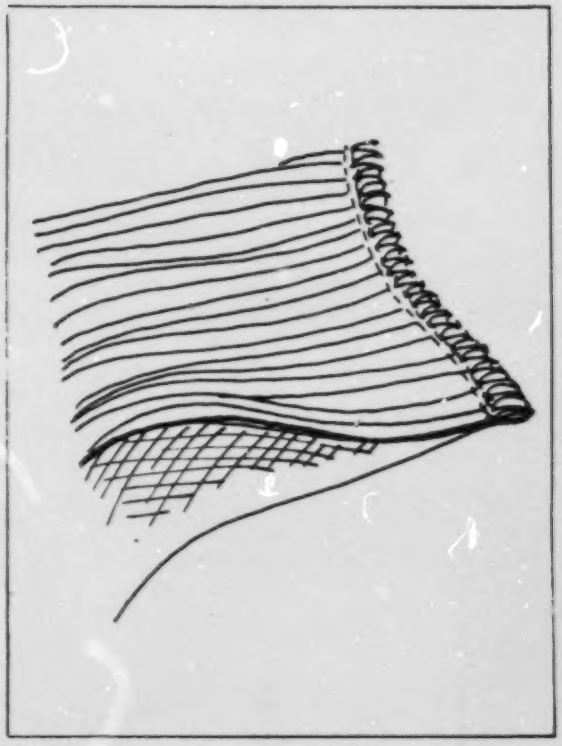
Place an X in the appropriate box indicating not accomplished, partially accomplished, or fully accomplished. If, because of special circumstances, the item was impossible to complete, place an X in the "Not Applicable" box.

Performance Level: All items must receive a rating of FULLY ACCOMPLISHED (or Not Applicable). If any items are rated Not Accomplished or Partially Accomplished, the student and instructor will discuss this and decide which learning activities must be repeated.

	Student Performance			
	Not Applicable	Not Accomplished	Partially Accomplished	Fully Accomplished
In setting a tailored cuff, the student:				
a. Set a tailored cuff.	( )	( )	( )	( )
b. Made the cuff free of gathers.	( )	( )	( )	( )
c. Turned the pleat toward the cuff opening.	( )	( )	( )	( )
d. Made the cuff lie smoothly.	( )	( )	( )	( )
e. Had uniform stitching.	( )	( )	( )	( )
In setting a cuff with fullness, the student:				
a. Evenly distributed gathers in sleeve.	( )	( )	( )	( )
b. Set the cuff to lie smoothly.	( )	( )	( )	( )
c. Had uniform stitching.	( )	( )	( )	( )
In setting a rub cuff, the student:				
a. Set a rib cuff.	( )	( )	( )	( )
b. Stretched the cuff to properly fit the cuff opening.	( )	( )	( )	( )

setting a tailored cuff





PERFORMING SPECIAL OPERATIONS ON THE SERGER MACHINE
(Setting A Tailored Cuff)

INTRODUCTION

There are several brands of serger machines on the market. Some machines carry three threads while others carry five or six threads. Some models have twin feeders while others are single feeder machines. There are also models which have a safety stitch. The serger machine provides a finished edge with the stitch wrapped around the edge of the cloth. In this module you will learn to perform special operations on the serger machine.

DIRECTIONS

Read the Objective. If you think you can accomplish this Objective now, turn to the Check-Out Activity and follow the instructions.

If you feel you are not able to accomplish this Objective now, look at the Learning Activities. Begin the Learning Activities and as soon as you feel you are ready, turn to the Check-Out Activity and follow the instructions.

OBJECTIVE

Given a simulated tailored sleeve, cuff, serger machine and thread, set a tailored cuff. Cuff must be free of gathers with the pleat turned toward cuff opening. Cuff should lie smoothly and the stitching should be uniform.

LEARNING ACTIVITIES

1. READ Student Information, SETTING A TAILORED CUFF. Follow directions presented in each step. If you should have a problem, ask your instructor for assistance. Practice setting tailored cuffs.

2. VIEW a demonstration on the operation of the serger machine.

3. COMPLETE Student Self-Check, SETTING A TAILORED CUFF.

4. TURN to the Check-Out Activity and follow the instructions.

STUDENT INFORMATION

Setting A Tailored Cuff

This type of cuff can be constructed on a single needle lockstitch machine. The steps are the same, only the finished seam is different.

1. Remove sleeve and cuff from stack, one in each hand.

2. Place sleeve on bottom with cuff on top.

3. Align cuff with sleeve bottom. Pleat to notches on buttonhole side. Be sure pleat is turned toward buttonhole (Figure 10).

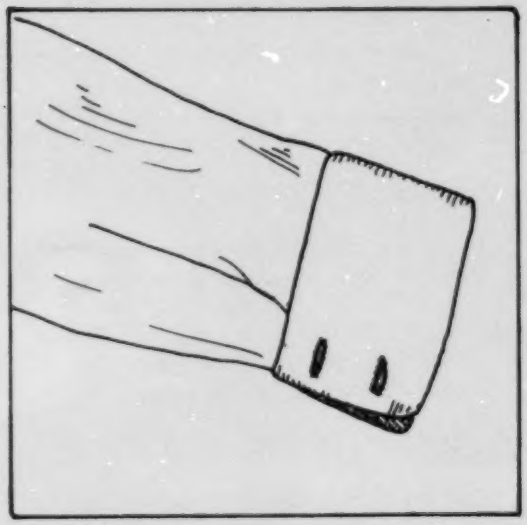


Figure 10

4. Serge seam.

5. If machine does not cut threads automatically, bring threads to front knife and cut. Practice setting tailored cuffs until sleeve is free of puckers or gathers. Be sure pleat is turned toward buttonhole side of cuff and cuff lies smoothly.

STUDENT SELF-CHECK

Write the answers to the following statements on a separate sheet of paper.

1. Pleat the sleeve to the notches on the buttonhole side of the cuff. (True or false)

2. Pleat should be turned away from buttonhole. (True or false)

3. A tailored sleeve always has a pleat. (True or false)

CHECK-OUT ACTIVITY

The statement below explains the activity you must complete in order to finish this module. After you go through the activity, your instructor will rate your performance using the Instructor's Final Checklist, PERFORMING SPECIAL OPERATIONS ON THE SERGER MACHINE (Setting a Tailored Cuff).

Your instructor will provide you with a serger machine, thread, cloth, and simulated garment sections. Set a cuff on a tailored sleeve.

Student _____

Date _____

Instructor's Final Checklist

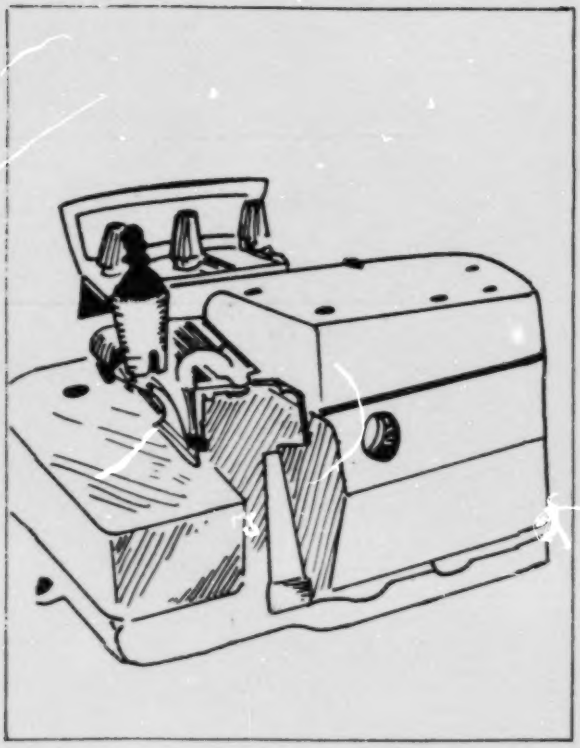
Check the student's performance in the following elements of performing special operations on the serger machine (setting a tailored cuff).

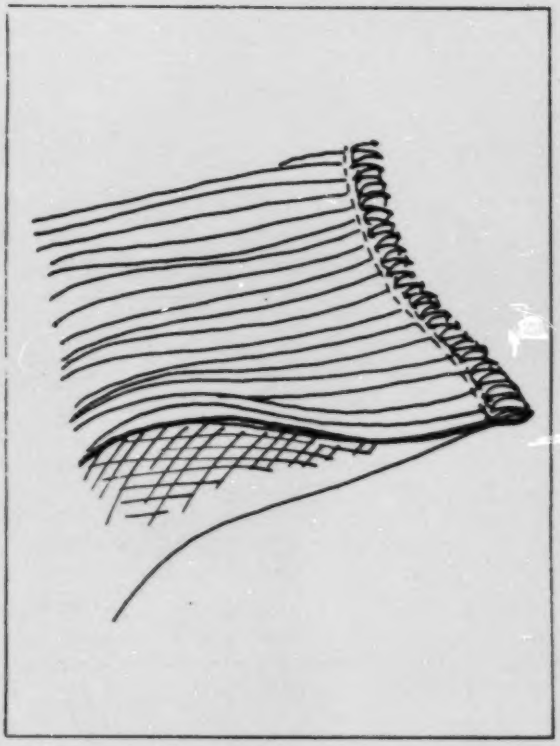
Place an X in the appropriate box indicating not accomplished, partially accomplished, or fully accomplished. If, because of special circumstances, the item was impossible to complete, place an X in the "Not Applicable" box.

Performance Level: All items must receive a rating of FULLY ACCOMPLISHED (or Not Applicable). If any items are rated Not Accomplished or Partially Accomplished, the student and instructor will discuss this and decide which learning activities must be repeated.

		Student Performance			
		Not Applicable	Not Accomplished	Partially Accomplished	Fully Accomplished
a.	Set a tailored cuff.	( )	( )	( )	( )
b.	Made the cuff free of gathers.	( )	( )	( )	( )
c.	Had the pleat turned toward the cuff opening.	( )	( )	( )	( )
d.	Made cuff lie smoothly.	( )	( )	( )	( )
e.	Had uniform stitching.	( )	( )	( )	( )

setting a sleeve





PERFORMING SPECIAL OPERATIONS ON THE SERGER MACHINE
(Setting A Sleeve)

INTRODUCTION

There are several brands of serger machines on the market. Some machines carry three threads while others carry five or six threads. Some of the models have twin feeders while others are single feeder machines. There are also models which have a safety stitch. The serger machine is used to provide a finished edge with the stitch wrapped around the edge of the cloth. In this module you will learn to perform special operations on the serger machine.

DIRECTIONS

Read the Objective. If you think you can accomplish this Objective now, turn to the Check-Out Activity and follow the instructions.

If you feel you are not able to accomplish this Objective now, look at the Learning Activities. Begin the Learning Activities and as soon as you feel you are ready, turn to the Check-Out Activity and follow the instructions.

OBJECTIVE

Given a simulated sleeve, a garment requiring a sleeve to be set, serger machine, and thread, set the sleeve. Seam must be free of puckers, lie smoothly, and be uniformly stitched.

LEARNING ACTIVITIES

1. READ Student Information, SETTING A SLEEVE. Follow directions presented in each step. If you should have a problem, ask your instructor for assistance. Practice setting sleeves.

2. VIEW a demonstration on the operation of the serger machine.

3. COMPLETE Student Self-Check, SETTING A SLEEVE.

STUDENT INFORMATION

Setting A Sleeve

This type of sleeve can be constructed on a single needle lockstitch machine. The steps are the same, only the finished seam is different.

1. Remove the sleeve and garment section from stack.

2. Place sleeve on bottom. Align garment section with sleeve (Figure 11). The notches must be aligned – the two notches in the back of the sleeve, the one notch located on the front side, and the notch at the top of the sleeve.

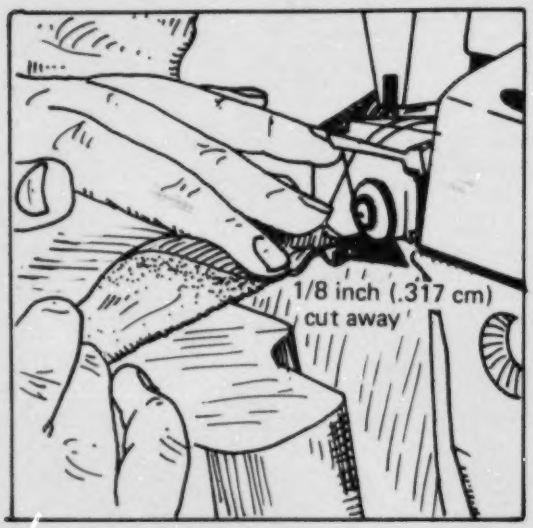


Figure 11

3. Start machine and serge seam beginning at the armseye. Be careful to match notch at shoulder seam. Do not force the cloth or the result will be an ill-fitting sleeve. Continue serging and make sure you do not pleat the sleeve.

Sleeve caps usually have 1 to 1 1/2 inches of ease. The feed dog will help pull the ease in without stretching the garment section or gathering the sleeve cap. The presser foot will "push" the armseye out (Figure 12).

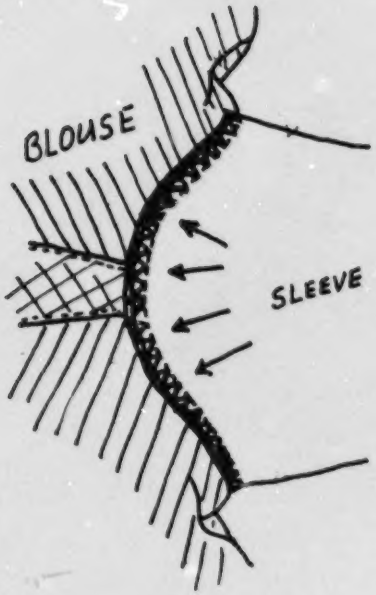


Figure 12

4. Practice setting sleeves until they are smooth across the crown and free of pleats (Figure 13).

Figure 13

At some time, you may be required to set sleeves with gathers, but generally the sleeves will be pregathered. In industry, a shirring attachment may be used to form the gathers while the machine is in operation.

Some specifications require the sleeve to be placed on the top of the garment section. This procedure is usually used when constructing knit garments.

STUDENT SELF-CHECK

Setting A Sleeve

Write the answers to the following statements on a separate sheet of paper.

1. The seam is easier to sew if the bodice is under the sleeve. (True or false)

2. The serged seam should begin at the shoulder seam. (True or false)

3. The serged seam will have pleats in the sleeve when finished. (True or false)

CHECK-OUT ACTIVITY

The statement below explains the activity you must complete in order to finish this module. After you go through the activity, your instructor will rate your performance using the Instructor's Final Checklist, PERFORMING SPECIAL OPERATIONS ON THE SERGER MACHINE (Setting a Sleeve).

Your instructor will provide you with a serger machine, thread, cloth, and simulated garment sections. Set a sleeve in the garment.

Student _____

Date _____

Instructor's Final Checklist

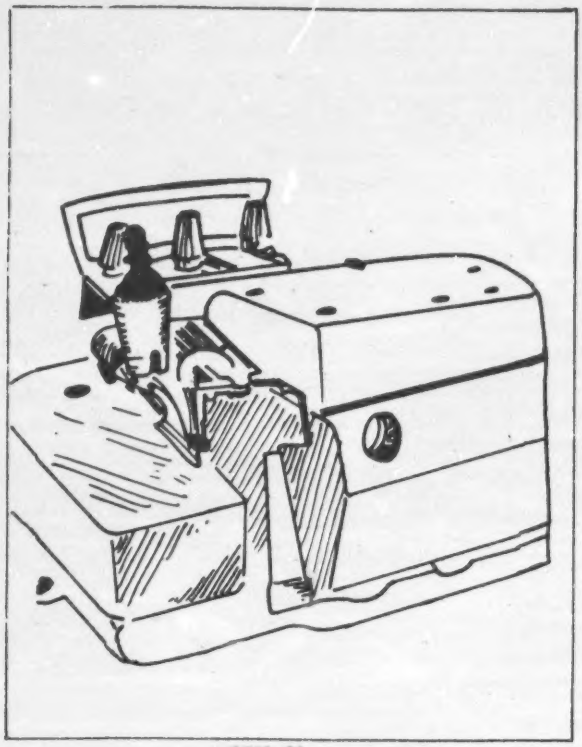
Check the student's performance in the following elements of performing special operations on the serger machine (setting a sleeve).

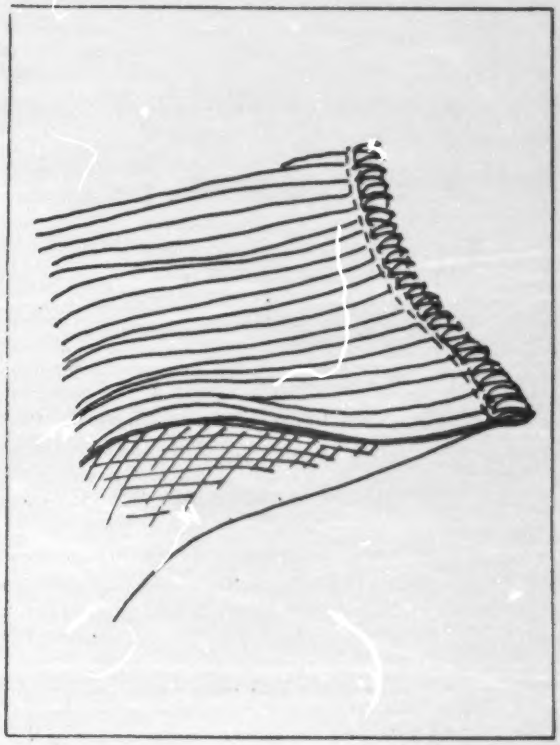
Place an X in the appropriate box indicating not accomplished, partially accomplished, or fully accomplished. If, because of special circumstances, the item was impossible to complete, place an X in the "Not Applicable" box.

Performance Level: All items must receive a rating of FULLY ACCOMPLISHED (or Not Applicable). If any items are rated Not Accomplished or Partially Accomplished, the student and instructor will discuss this and decide which learning activities must be repeated.

	Student Performance			
	Not Applicable	Not Accomplished	Partially Accomplished	Fully Accomplished
The student:				
a. Set sleeve in garment.	( )	( )	( )	( )
b. Made seam free of puckers.	( )	( )	( )	( )
c. Set the seam to lie smoothly.	( )	( )	( )	( )
d. Had uniform stitching.	( )	( )	( )	( )

making a tie belt





PERFORMING SPECIAL OPERATIONS ON THE SERGER MACHINE
(Making A Tie Belt)

INTRODUCTION

There are several brands of serger machines on the market. Some machines carry three threads while others carry five or six threads. Some models have twin feeders while others are single feeder machines. There are also models which have a safety stitch. The serger machine is used to provide a finished edge with the stitch wrapped around the edge of the cloth. In this module you will learn to perform special operations on the serger machine.

DIRECTIONS

Read the Objective. If you think you can accomplish this Objective now, turn to the Check-Out Activity and follow the instructions.

If you feel you are not able to accomplish this Objective now, look at the Learning Activities. Begin the Learning Activities and as soon as you feel you are ready, turn to the Check-Out Activity and follow the instructions.

OBJECTIVE

Given a piece of cloth wide enough for a tie belt with allowance for seaming and long enough to tie around waist, serger machine, thread, and turning rod, make a tie belt. Belt must be uniform in width with no evidence of twisting.

LEARNING ACTIVITIES

1. READ Student Information, MAKING A TIE BELT. Follow directions presented in each step. If you should have a problem, ask your instructor for assistance. Practice making tie belts.

2. VIEW a demonstration on the operation of the serger machine.

3. COMPLETE Student Self-Check, MAKING A TIE BELT.

4. TURN to the Check-Out Activity and follow the instructions.

STUDENT INFORMATION

Making A Tie Belt

1. Secure cloth and cut out tie belt. If ends are to be left open, they should be finished in another operation.

2. Place cloth in position. Serge end and approximately 1/2 of belt length. Leave opening for turning belt. Size of opening depends on width of belt. Usually a 2 to 3 inch (5.08 – 7.62 cm) opening is adequate for narrow belts (Figure 13).

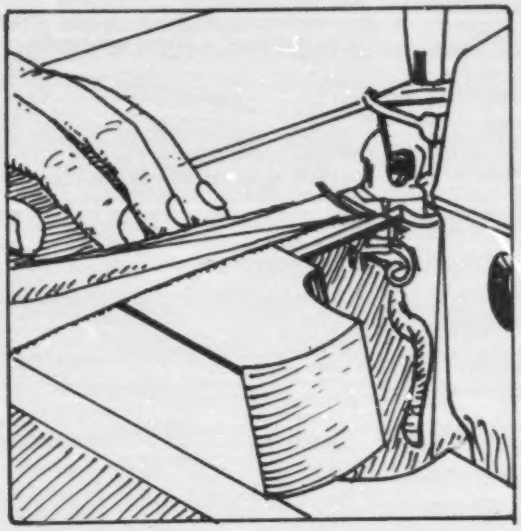


Figure 13

3. Continue serging side and end of belt. Pull thread to front knife for cutting if machine does not automatically cut threads.

4. Generally, the turning of the belt is another operation. Since you will need to evaluate the quality of your work, turn the belt by placing it on a turning rod (Figure 14).

Figure 14

5. Practice making tie belts which are uniform in width and free from twisting.

STUDENT SELF-CHECK

Making A Tie Belt

Write the answers to the following statements on a separate sheet of paper.

1. When making tie belts, the end and the side should be serged approximately 1/2 of the belt length. (True or False)

2. Usually a 2 to 3 inch opening for turning the belt is adequate for narrow belts. (True or false)

3. The process of turning the belt is usually done by someone else. (True or false)

CHECK-OUT ACTIVITY

The statement below explains the activity you must complete in order to finish this module. After you go through the activity, your instructor will rate your performance using the Instructor's Final Checklist, PERFORMING SPECIAL OPERATIONS ON THE SERGER MACHINE (Making A Tie Belt).

Your instructor will provide you with a serger machine, thread, cloth, and simulated garment sections. Make a tie belt.

Student _____

Date _____

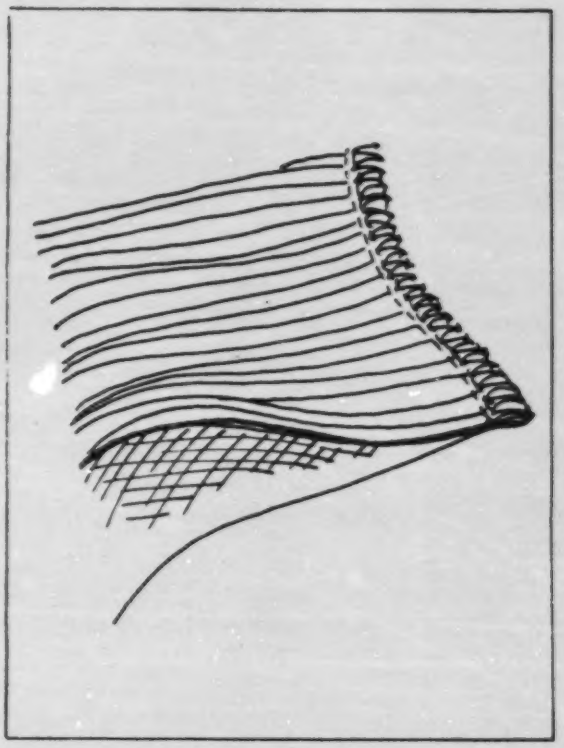
Instructor's Final Checklist

Check the student's performance in the following elements of performing special operations on the serger machine (making a tie belt).
Place an X in the appropriate box indicating not accomplished, partially accomplished, or fully accomplished. If, because of special circumstances, the item was impossible to complete, place an X in the "Not Applicable" box.

Performance Level: All items must receive a rating of FULLY ACCOMPLISHED (or Not Applicable). If any items are rated Not Accomplished or Partially Accomplished, the student and instructor will discuss this and decide which learning activities must be repeated.

	Student Performance			
	Not Applicable	Not Accomplished	Partially Accomplished	Fully Accomplished
The student:				
a Made a tie belt uniform in width.	( )	( )	( )	( )
b. Made a tie belt with no evidence of twisting.	( )	( )	( )	( )

setting elastic



PERFORMING SPECIAL OPERATIONS ON THE SERGER MACHINE
(Setting Elastic)

INTRODUCTION

There are several brands of serger machines on the market. Some machines carry three threads while others carry five or six threads. Some models have twin feeders while others are single feeder machines. There are also models which have a safety stitch. The serger machine is used to provide a finished edge with the stitch wrapped around the edge of the cloth. In this module you will learn to perform special operations on the serger machine.

DIRECTIONS

Read the Objective. If you think you can accomplish this Objective now, turn to the Check-Out Activity and follow the instructions.

If you feel you are not able to accomplish this Objective now, look at the Learning Activities. Begin the Learning Activities and as soon as you feel you are ready, turn to the Check-Out Activity and follow the instructions.

OBJECTIVE

Given cloth, elastic, a serger machine, and thread, set elastic. Elastic must lie smoothly and be uniform in width. Fullness in the cloth should be evenly distributed.

LEARNING ACTIVITIES

1. READ Student Information, SETTING ELASTIC. Follow directions presented in each step. If you should have a problem, ask your instructor for assistance. Practice setting elastic.

2. VIEW a demonstration on the operation of the serger machine.

3. COMPLETE Student Self-Check, SETTING ELASTIC.

4. TURN to the Check-Out Activity and follow the instructions.

STUDENT INFORMATION

Setting Elastic

The procedure for setting elastic to waistbands, for example, is a difficult process. An attachment is provided which allows the elastic to be positioned accurately on the serger machine so that the elastic is not cut. The elastic is fed automatically.

Since most schools are not equipped with this attachment you will have to be very careful when placing the elastic. Be sure that the tautness is adequate for the size of the garment.

Follow these steps in setting the elastic manually.

1. Remove cloth to be serged from stack.

2. Place cloth in position with elastic on top. Align elastic on cloth.

3. Place edge to be serged under presser foot.

   Make sure thread tensions are adjusted loosely to allow elastic to be stretched without breaking sewing stitches.

4. Activate treadle and sew required finished. Stretch elastic to gather in fullness (Figure 15).

Figure 15

5. Bring the thread to the front knife for cutting if the thread is not cut automatically.

6. Practice setting elastic until the elastic lies smoothly and is uniform in width. Fullness in the cloth should be evenly distributed (Figure 16).

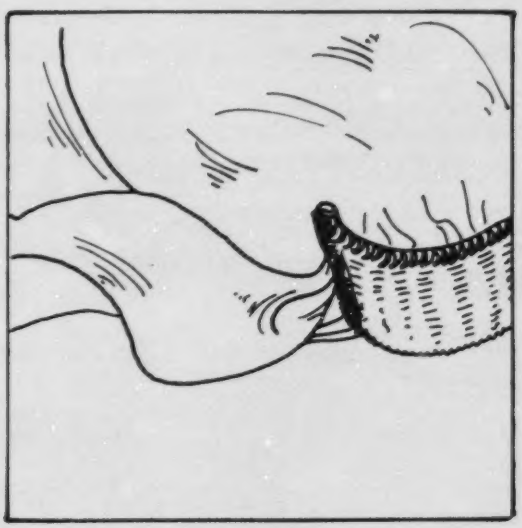


Figure 16

STUDENT SELF-CHECK

Setting Elastic

Write the answers to the following statements on a separate sheet of paper.

1. When serging elastic, the elastic should be on top of the fabric. (True or false)

2. Elastic should not be stretched when sewn on the fabric. (True or false)

3. The fabric does not have to be gathered before setting it onto the elastic. (True or false)

CHECK-OUT ACTIVITY

The statement below explains the activity you must complete in order to finish this module. After you go through the activity, your instructor will rate your performance using the Instructor's Final Checklist, PERFORMING SPECIAL OPERAAIONS ON THE SERGER MACHINE (Setting Elastic).

Your instructor will provide you with a serger machine, thread, cloth, simulated garment sections, and elastic. Set the elastic.

Student _____

Date _____

Instructor's Final Checklist

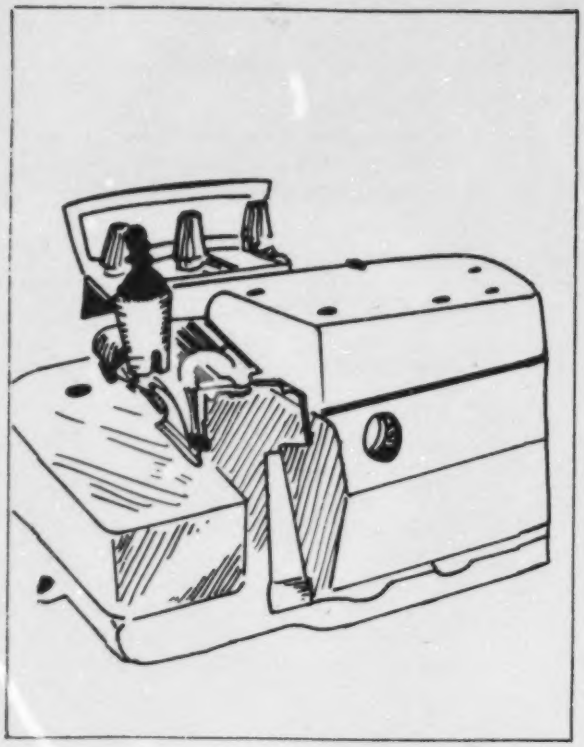
Check the student's performance in the following elements of performing special operations on the serger machine (setting elastic).

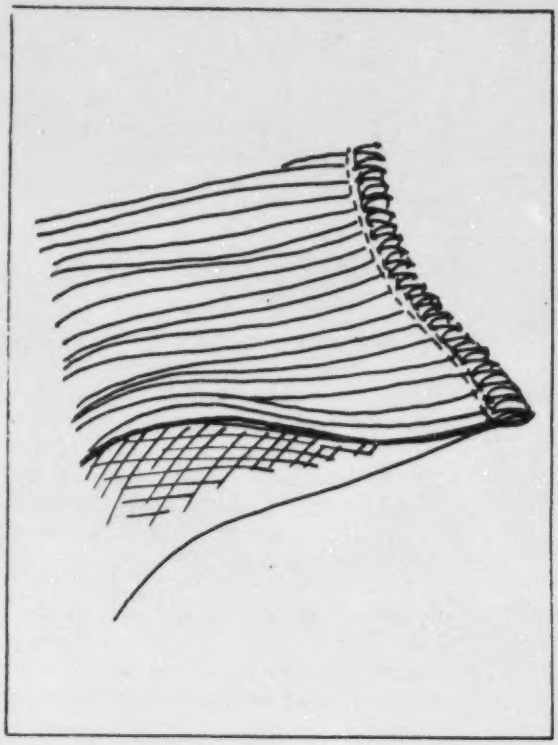
Place an X in the appropriate box indicating not accomplished, partially accomplished, or fully accomplished. If, because of special circumstances, the item was impossible to complete, place an X in the "Not Applicable" box.

Performance Level: All items must receive a rating of FULLY ACCOMPLISHED (or Not Applicable). If any items are rated Not Accomplished or Partially Accomplished, the student and instructor will discuss this and decide which learning activities must be repeated.

	Student Performance			
	Not Applicable	Not Accomplished	Partially Accomplished	Fully Accomplished
The student:				
a. Set the elastic to lie smoothly.	( )	( )	( )	( )
b. Set the elastic to be uniform in width.	( )	( )	( )	( )
c. Distributed the fullness in the cloth evenly.	( )	( )	( )	( )

hemming sleeves





PERFORMING SPECIAL OPERATIONS ON THE SERGER MACHINE
(Hemming Sleeves)

INTRODUCTION

There are several brands of serger machines on the market. Some machines carry three threads while others carry five or six threads. Some models have twin feeders while others are single feeder machines. There are also models which have a safety stitch. The serger machine is used to provide a finished edge with the stitch wrapped around the edge of the cloth. In this module you will learn to perform special operations on the serger machine.

DIRECTIONS

Read the Objective. If you think you can accomplish this Objective now, turn to the Check-Out Activity and follow the instructions.

If you feel you are not able to accomplish this Objective now, look at the Learning Activities. Begin the Learning Activities and as soon as you feel you are ready, turn to the Check-Out Activity and follow the instructions.

OBJECTIVE

Given a simulated sleeve, a serger machine and thread, hem the sleeve. The hem must be uniform in width, and stitches should not show on the face side of the cloth.

LEARNING ACTIVITIES

1. READ Student Information, HEMMING SLEEVES. Follow directions presented in each step. If you should have a problem, ask your instructor for assistance. Practice hemming sleeves.

2. VIEW a demonstration on the operation of the serger machine.

3. COMPLETE Student Self-Check, HEMMING A SLEEVE.

4. TURN to the Check-Out Activity and follow the instructions.

STUDENT INFORMATION

Hemming Sleeves

A standard serger machine has to be adjusted to hem sleeves. The hemming block, false looper, and folder attachments must be added. This special type of serger machine is converted to use two threads and allows the finished seam to lie flat. There is also an adjustment screw which allows movement of the folder attachment to permit more or less needle penetration.

The serger machine is also used to hem the bottom of a skirt. The garment must be removed from the folder and sewn off for the last two or three inches to finish the seam.

Follow these steps in hemming a sleeve.

1. Remove sleeve from stack.
2. Position bottom edge of sleeve to be hemmed in folder.
3. Activate treadle and sew for required finished edge.
4. Cut thread using knife attachment located in back of needle. Figure 17 shows a finished hem.

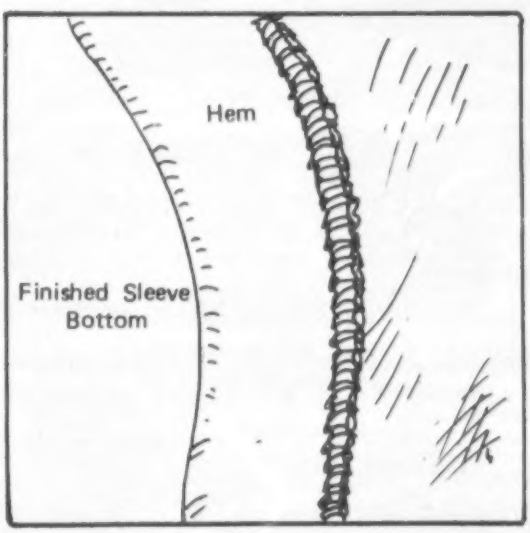


Figure 17

5. Practice until hem is uniform in width with only slight evidence of stitches on the face of the cloth.

STUDENT SELF-CHECK

Hemming Sleeves

Write the answers to the following statements on a separate sheet of paper.

1. The bottom edge of the sleeve should be positioned in the folder. (True or false)

2. The hem should be uniform in width with no evidence of stitches on the face side of the fabric. (True or false)

CHECK-OUT ACTIVITY

The statement below explains the activity you must complete in order to finish this module. After you go through the activity, your instructor will rate your performance using the Instructor's Final Checklist, PERFORMING SPECIAL OPERATIONS ON THE SERGER MACHINE (Hemming Sleeves).

Your instructor will provide you with a serger machine, thread, cloth, and simulated garment sections. Hem a sleeve.

Student _____

Date _____

Instructor's Final Checklist

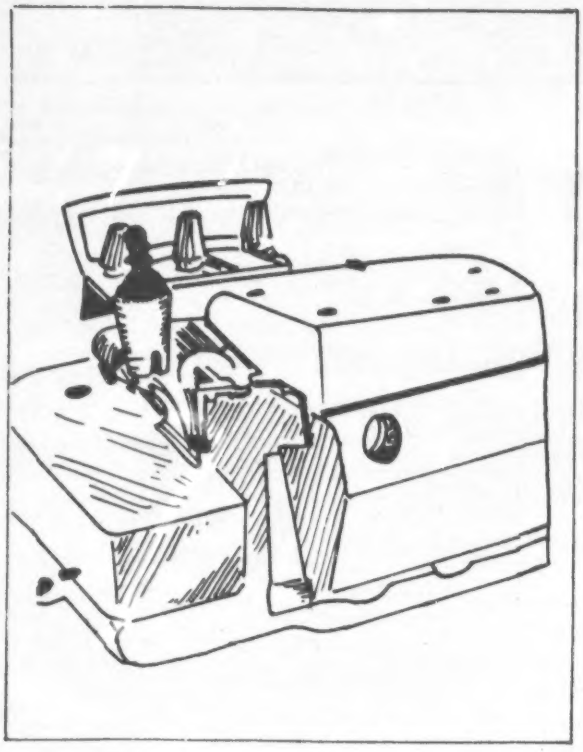
Check the student's performance in the following elements of performing special operations on the serger machine (hemming sleeves).

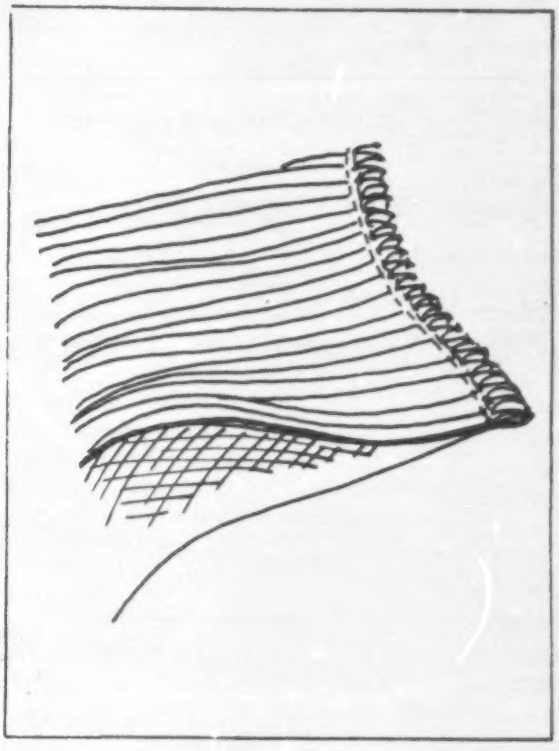
Place an X in the appropriate box indicating not accomplished, partially accomplished, or fully accomplished. If, because of special circumstances, the item was impossible to complete, place an X in the "Not Applicable" box.

Performance Level: All items must receive a rating of FULLY ACCOMPLISHED (or Not Applicable). If any items are rated Not Accomplished or Partially Accomplished, the student and instructor will discuss this and decide which learning activities must be repeated.

	Student Performance			
	Not Applicable	Not Accomplished	Partially Accomplished	Fully Accomplished
The student:				
a. Constructed a hem which was uniform in width.	( )	( )	( )	( )
b. Did not have stitches showing on face side of cloth.	( )	( )	( )	( )

setting ruffles





PERFORMING SPECIAL OPERATIONS ON THE SERGER MACHINE
(Setting Ruffles)

INTRODUCTION

There are several brands of serger machines on the market. Some machines carry three threads while others carry five or six threads. Some models have twin feeders while others are single feeder machines. There are also models which have a safety stitch. The serger machine is used to provide a finished edge with the stitch wrapped around the edge of the cloth. In this module you will learn to perform special operations on the serger machine.

DIRECTIONS

Read the Objective. If you think you can accomplish this Objective now, turn to the Check-Out Activity and follow the instructions.

If you feel you are not able to accomplish this Objective now, look at the Learning Activities. Begin the Learning Activities and as soon as you feel you are ready, turn to the Check-Out Activity and follow the instructions.

OBJECTIVE

Given preruffled cloth, plain cloth, serger machine, and thread, set a ruffle. Cloth must be free of puckers and gathers, and stitching should be uniform.

LEARNING ACTIVITIES

1. READ Student Information, SETTING RUFFLES. Follow directions presented in each step. If you should have a problem, ask your instructor for assistance. Practice setting ruffles.

2. VIEW a demonstration on the operation of the serger machine.

3. COMPLETE Student Self-Check, SETTING RUFFLES.

4. TURN to the Check-Out Activity and follow the instructions.

STUDENT INFORMATION

Setting Ruffles

1. Remove cloth and preruffled fabric from stack.

2. Place edge of cloth and preruffled fabric in position (Figure 18). The serger needle should be just barely to the left of the needle thread used to preruffle the fabric so the ruffling stitch will not show. Placing the serger needle too much to the left will cause pleats.

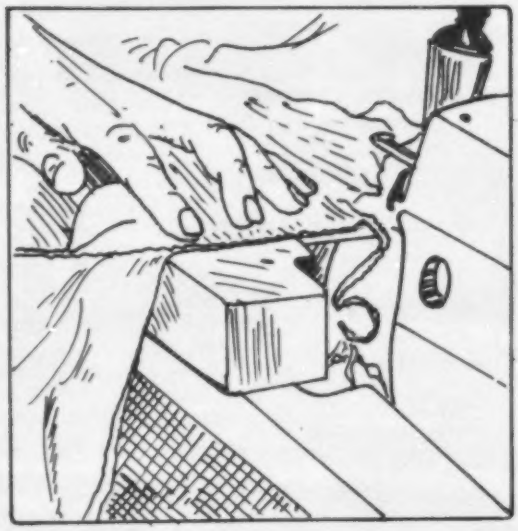


Figure 18

3. Activate treadle and sew for required finished edge.

4. Bring the thread to the front knife for cutting if machine does not automatically cut threads. Figure 19 shows a finished seam.

5. Practice setting ruffles until cloth is free from puckers or gathers and stitching is uniform.

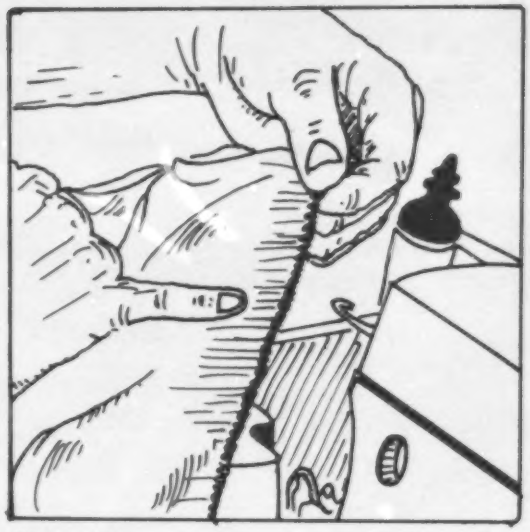


Figure 19

STUDENT SELF-CHECK

Setting Ruffles

Write the answers to the following statements on a separate sheet of paper.

1. When setting ruffles, the serger needle should be to the right of the needle thread used to preruffle the fabric. (True or false)

2. The preruffles are placed even with the edge of the other flat fabric. (True or false)

CHECK-OUT ACTIVITY

The statement below explains the activity you must complete in order to finish this module. After you go through the activity, your instructor will rate your performance using the Instructor's Final Checklist, PERFORMING SPECIAL OPERATIONS ON THE SERGER MACHINE (Setting Ruffles).

Your instructor will provide you with a serger machine, thread, cloth, simulated garment sections, and preruffled cloth. Set a ruffle.

Student _____

Date _____

Instructor's Final Checklist

Check the student's performance in the following elements of performing special operations on the serger machine (setting ruffles).

Place an X in the appropriate box indicating not accomplished, partially accomplished, or fully accomplished. If, because of special circumstances, the item was impossible to complete, place an X in the "Not Applicable" box.

Performance Level: All items must receive a rating of FULLY ACCOMPLISHED (or Not Applicable). If any items are rated Not Accomplished or Partially Accomplished, the student and instructor will discuss this and decide which learning activities must be repeated.

	Student Performance			
	Not Applicable	Not Accomplished	Partially Accomplished	Fully Accomplished
The student:				
a. Set ruffle free of puckers.	( )	( )	( )	( )
b. Had unform stitching.	( )	( )	( )	( )